

L18 ANSWER 3 OF 11 CA COPYRIGHT 2007 ACS on STN

AN 139:358314 CA

TI Effect of **propolis** on human cartilage and chondrocytes

AU Cardile, Venera; Panico, Annamaria; Gentile, Barbara; Borrelli, Francesca; Russo, Alessandra

CS Department of Physiological Sciences, University of Catania, Catania, 95125, Italy

SO Life Sciences (2003), 73(8), 1027-1035

CODEN: LIFSAK; ISSN: 0024-3205

PB Elsevier Science Inc.

DT Journal

LA English

AB **Propolis**, a natural product derived from plant resins collected by the honeybees, has been used for thousands of years in folk medicine for several purposes. The extract that contains **amino acids**, phenolic acids, phenolic acid esters, flavonoids, cinnamic acid, terpenes and caffeic acid possesses several biol. **activities** such as antiinflammatory, immunostimulatory, antiviral, and antibacterial. In this study, the authors assay the effects of **propolis** extract on the production of key mols. released during chronic inflammatory events as nitric oxide (NO) and glycosaminoglycans (GAGs) in cultures of human cartilaginous tissues and chondrocytes, stimulated with interleukin-1 $\beta$  (IL-1 $\beta$ ). The authors observed that this natural compound and its active principle, caffeic acid phenethyl ester (CAPE), were able to contrast the harmful effects of IL-1 $\beta$ . The data clearly demonstrated the protective action of **propolis** in cartilage alteration, that appears greater than that elicited by indomethacin, commonly employed in joint diseases.

RE.CNT 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L18 ANSWER 8 OF 11 CA COPYRIGHT 2007 ACS on STN

AN 118:141867 CA

TI Acetylpolyamino acids as insecticides against lice on humans

IN Astruc, Jean; Morelle, Jean; Lauzanne-Morelle, Eliane

PA Fr.

SO Fr. Demande, 7 pp.

CODEN: FRXXBL

DT Patent

LA French

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	FR 2675015	A1	19921016	FR 1991-4474	19910412
	FR 2675015	B1	19940121		
PRAI	FR 1991-4474		19910412		

AB The acetylpolyamino acids AcNHRCO<sub>2</sub>H (R = amino acid residue) obtained by hydrolysis of collagen, keratin, albumin, or plant proteins are insecticides against lice (*Pediculus capitis* and *P. corporis*). The activity of the acetyl polyamino acids is enhanced by propolis or Ginkgo biloba exts.

L18 ANSWER 9 OF 11 CA COPYRIGHT 2007 ACS on STN

AN 105:127434 CA

TI Free **amino acids** in bee hive product (**propolis**  
) as identified and quantified by gas-liquid chromatography

AU Gabrys, Janusz; Konecki, Janusz; Krol, Wojciech; Scheller, Stanislaw;  
Shani, Jashovam

CS Dep. Histol. Embriol., Silesian Sch. Med., Zabrze-Rokitnica, 41-808, Pol.

SO Pharmacological Research Communications (1986), 18(6), 513-18

CODEN: PLRCAT; ISSN: 0031-6989

DT Journal

LA English

AB **Propolis** is a natural resinous product collected by honey bees  
and containing, among other biochem. constituents, a variety of free  
**amino acids**. Acid extraction and quantification of these  
**amino acids** by gas-liquid chromatog. reveals that their  
total concentration in this honey bee product is over 40% weight/weight, and

that

arginine [74-79-3] and proline [147-85-3] constitutes over 50% of the  
crude acid extract As **propolis** was shown to stimulate mammalian  
tissue regeneration, the physiol. significance of arginine in the  
**propolis** product appears to lie in its ability to stimulate  
mitosis and to enhance protein biosynthesis, and the biochem. importance  
of proline stems from its capability to promote build-up of collagen and  
elastin, 2 essential components in the matrix of connective tissues. The  
relation of these results to the pharmacol. activity of  
**propolis** is discussed.

L16 ANSWER 532 OF 604 CA COPYRIGHT 2007 ACS on STN  
AN 108:81977 CA  
TI Formulation of **propolis** with  $\beta$ -cyclodextrin  
AU Szente, Lajos; Szejtli, Jozsef  
CS Cyclodextrin Res. Lab., Chinoin Pharm. and Chem. Works Ltd., Budapest,  
H-1026, Hung.  
SO Acta Pharmaceutica Technologica (1987), 33(4), 218-21  
CODEN: APTEDD; ISSN: 0340-3157  
DT Journal  
LA English  
AB **Propolis**, a hive product, is a heterogeneous, unstable,  
pastelike material of significant biol. activity. By mixing  
(and partially complexing) the **propolis** with  $\beta$ -cyclodextrin  
a free flowing nonhygroscopic powder can be prepared **Propolis** in  
this formulation showed a considerably enhanced stability to heat and alkaline  
treatment. The formulation of **propolis** with  $\beta$ -cyclodextrin  
is a convenient example for formulation of similar unstable,  
multicomponent natural exts.

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# EAST Search History



Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	8607	glycyrhiz\$8 or glycyrrhiz\$8	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/11 00:49
L2	348781	flavor\$ or taste or sweet\$	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/10/10 19:44
L3	4216	L1 and L2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/10 19:44
L4	1674	13	USPAT	OR	ON	2007/10/10 21:39
L5	1232	14 and powder	USPAT	OR	ON	2007/10/10 21:39
L6	177	11 near 12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/10 21:50
L7	73	15 and 16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/10 21:52
L8	1	17 and trehalose	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/10 21:52
L9	47	trehalose near 12	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/10/10 22:53
L10	28058	\$cyclodextrin	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/10/10 22:53

## EAST Search History

L11	170078	citrate	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/10/10 22:53
L12	1107	10 with 11	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT	OR	ON	2007/10/10 22:54
L13	39	1 with solubility	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/11 00:53
L14	2768	propolis	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/11 00:52
L15	1	L14 and 113	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/11 00:52
L18	453959	wax or glue	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/11 00:56
L19	56535	18 and solubility	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/11 00:54
L20	989	11 and 119	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/11 00:56
L21	8623	(be\$2 adj wax) or (be\$2 adj glue) or propolis	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/11 00:59
L22	390248	solubility	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/11 00:59

### EAST Search History

L23	1695	21 and 22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/11 00:59
L24	26	21 with 22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/11 00:59